

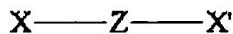
Application No. 10/748,424

AMENDMENTS TO THE CLAIMS

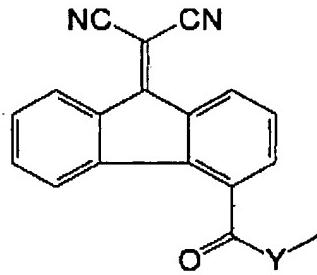
A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where X and X' each independently have the formula



where Y is O-CH<sub>2</sub>-CH<sub>2</sub>-O, S, or NR<sub>3</sub> and R<sub>3</sub> is H, an alkyl group, an alkenyl group, an aromatic group, or a heterocyclic group are, each independently, a (9-fluorenylidene)malononitrile group, and Z is a linking group having the formula -(CH<sub>2</sub>)<sub>m</sub>-, branched or linear, where m is an integer between 1 and 30, inclusive, and one or more of the methylene groups may be replaced by O, S, C=O, Si=O, S(=O)<sub>2</sub>, P(=O)<sub>2</sub>, an aromatic group, a heterocyclic group, an aliphatic cyclic group, a Si(R<sub>1</sub>)(R<sub>2</sub>) group, a BR<sub>3</sub> group, a NR<sub>4</sub> group, a CHR<sub>5</sub> group, or a CR<sub>6</sub>R<sub>7</sub> group where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are, each independently, H,

Application No. 10/748,424

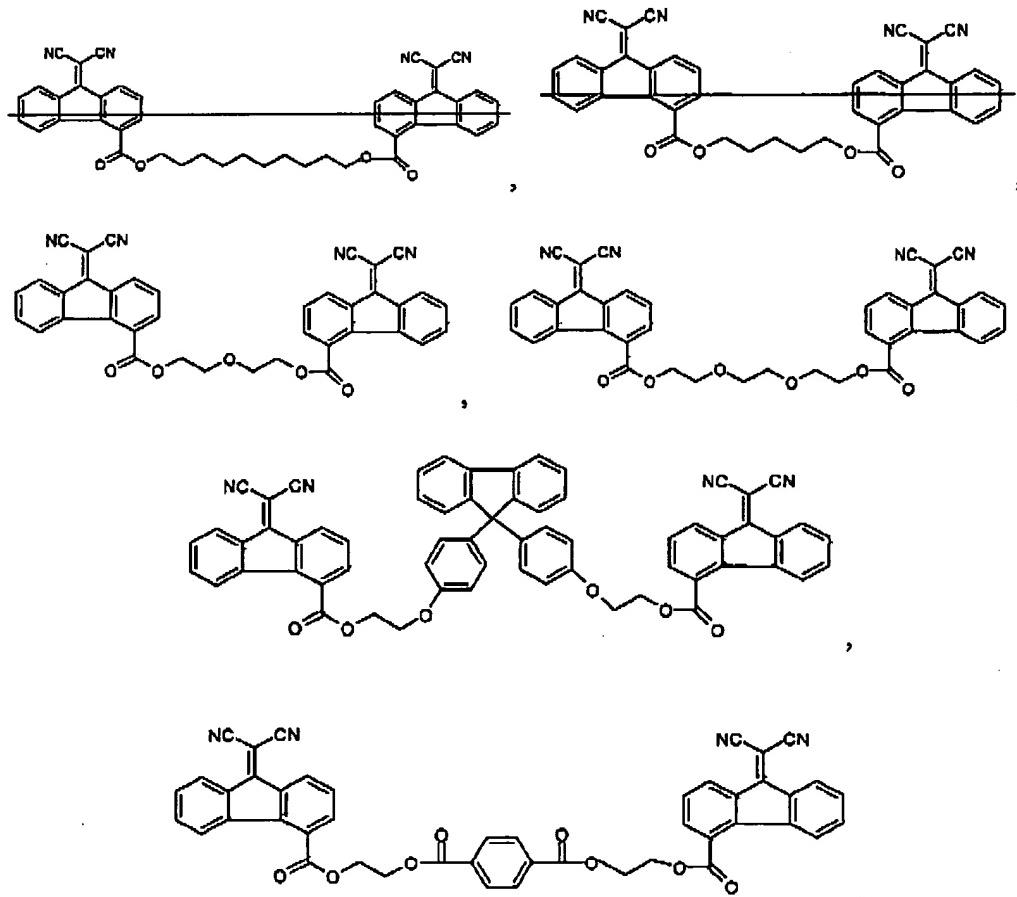
halogen, hydroxyl, thiol, an alkoxy group, an alkyl group, an alkenyl group, an aromatic group, a heterocyclic group, or a part of a cyclic ring; and

(b) a charge generating compound.

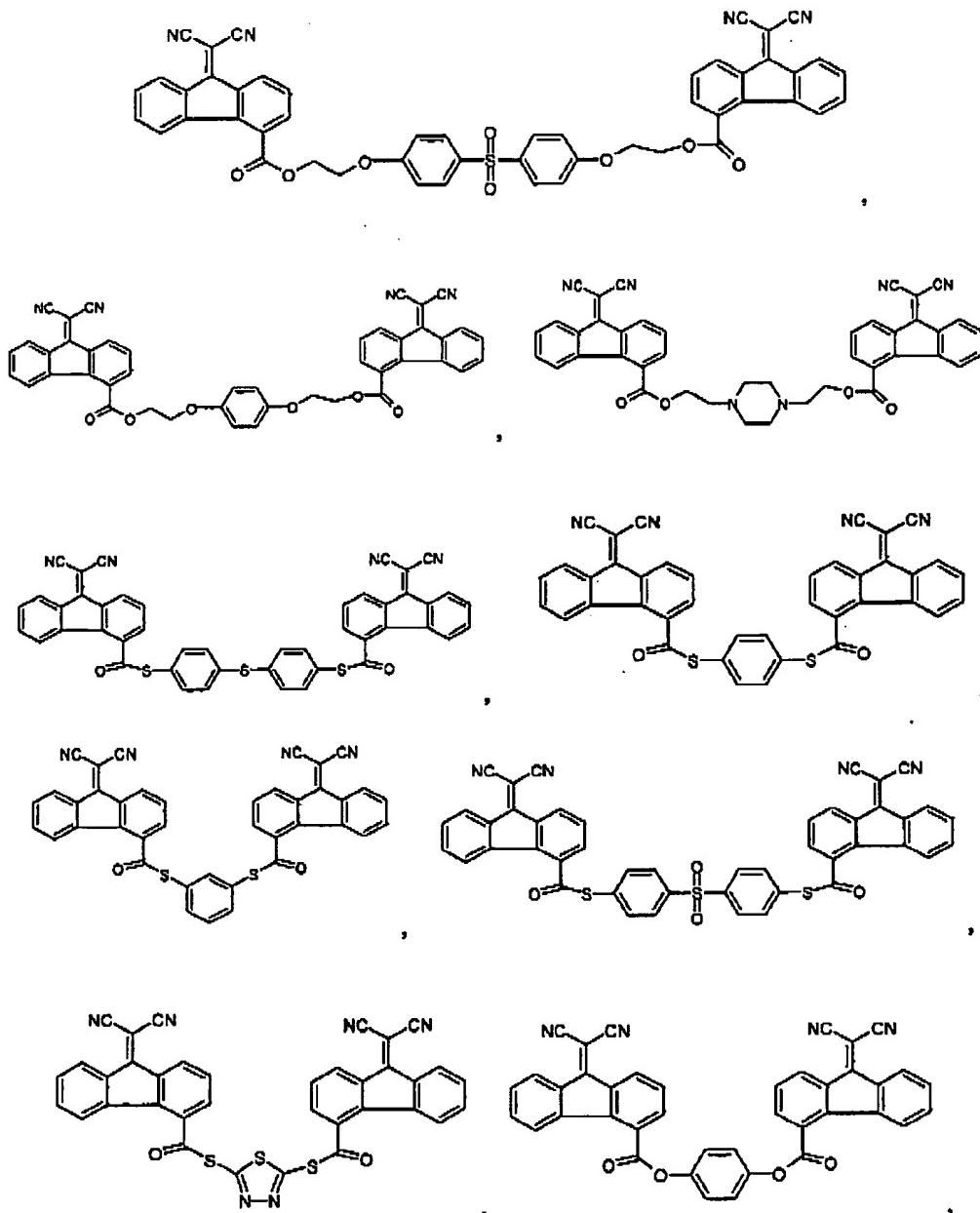
2. (Cancelled)

3. (Original) An organophotoreceptor according to claim 1 wherein Z comprises an aromatic group or a heterocyclic group.

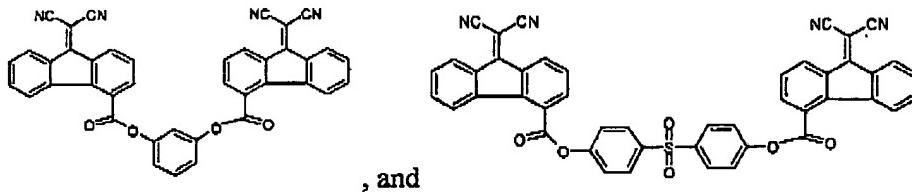
4. (Currently Amended) An organophotoreceptor according to claim 1 wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/748,424



Application No. 10/748,424



5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.

6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises a charge transport compound.

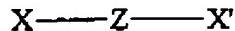
7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.

8. (Currently Amended) An electrophotographic imaging apparatus comprising:

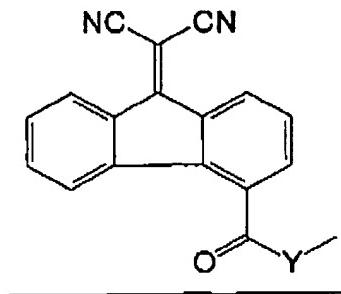
(a) a light imaging component; and

(b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material having the formula



where X and X' each independently, have the formula



Application No. 10/748,424

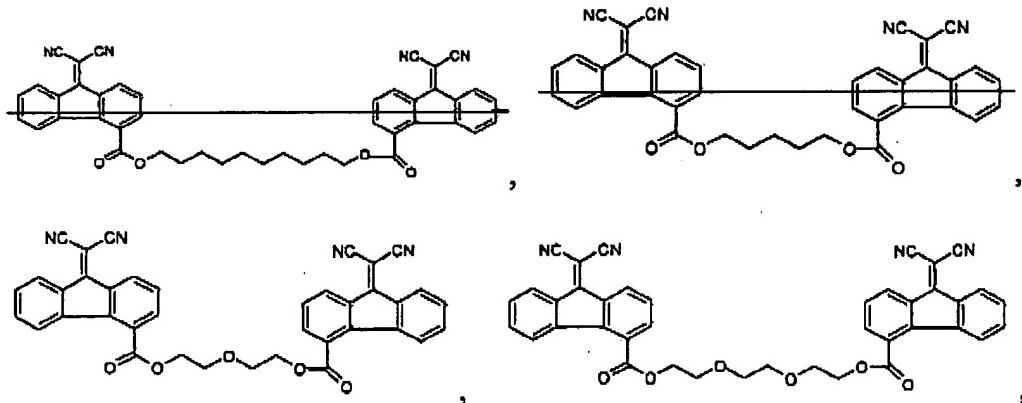
where Y is O-CH<sub>2</sub>-CH<sub>2</sub>-O, S, or NR<sub>8</sub> and R<sub>8</sub> is H, an alkyl group, an alkenyl group, an aromatic group, or a heterocyclic group are, each independently, a (9-fluorenylidene)malononitrile group, and Z is a linking group having the formula -(CH<sub>2</sub>)<sub>m</sub>, branched or linear, where m is an integer between 1 and 30, inclusive, and one or more of the methylene groups may be replaced by O, S, C=O, Si=O, S(=O)<sub>2</sub>, P(=O)<sub>2</sub>, an aromatic group, a heterocyclic group, an aliphatic cyclic group, a Si(R<sub>1</sub>)(R<sub>2</sub>) group, a BR<sub>3</sub> group, a NR<sub>4</sub> group, a CHR<sub>5</sub> group, or a CR<sub>6</sub>R<sub>7</sub> group where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are, each independently, H, halogen, hydroxyl, thiol, an alkoxy group, an alkyl group, an alkenyl group, an aromatic group, a heterocyclic group, or a part of a cyclic ring; and

(ii) a charge generating compound.

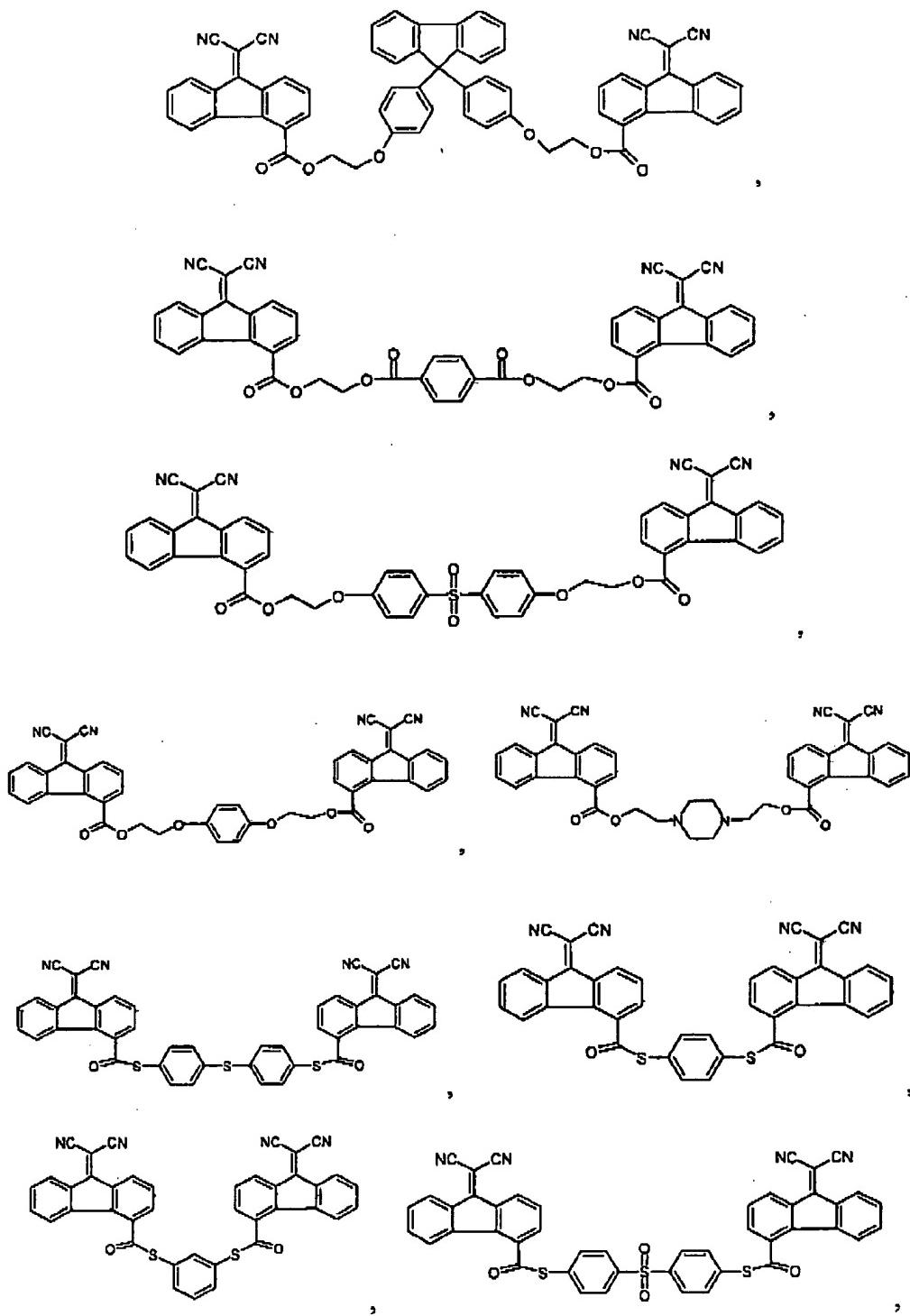
9. (Cancelled)

10. (Original) An electrophotographic imaging apparatus according to claim 8 wherein Z comprises an aromatic group or a heterocyclic group.

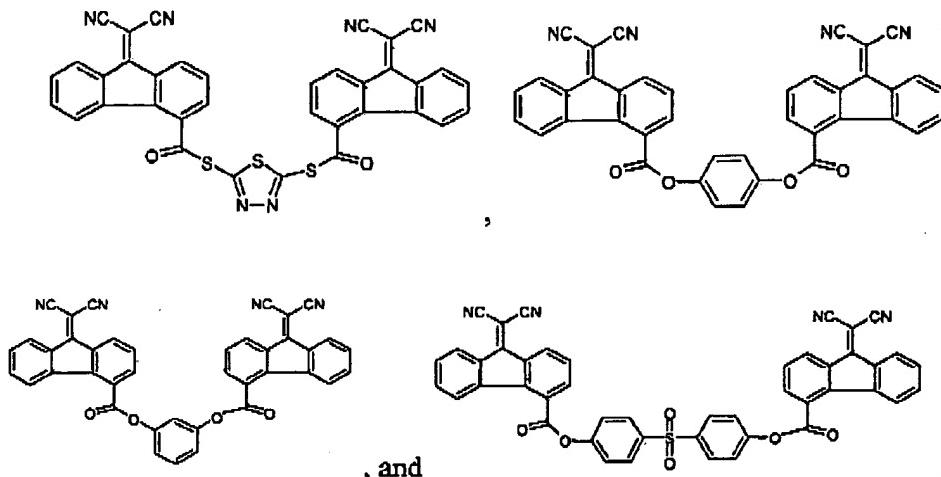
11. (Currently Amended) An electrophotographic imaging apparatus according to claim 8, wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/748,424



Application No. 10/748,424



12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

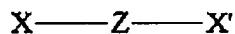
13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein second charge transport material comprises a charge transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a liquid toner dispenser.

15. (Currently Amended) An electrophotographic imaging process comprising;

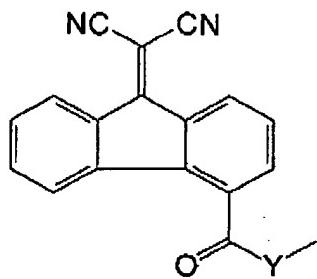
(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material having the formula



where X and X' each independently, have the formula

Application No. 10/748,424



where Y is O-CH<sub>2</sub>-CH<sub>2</sub>-O, S, or NR<sub>8</sub> and R<sub>8</sub> is H, an alkyl group, an alkenyl group, an aromatic group, or a heterocyclic group are, each independently, a (9-fluorenylidene)malononitrile group, and Z is a linking group having the formula -(CH<sub>2</sub>)<sub>m</sub>-, branched or linear, where m is an integer between 1 and 30, inclusive, and one or more of the methylene groups may be replaced by O, S, C=O, Si=O, S(=O)<sub>2</sub>, P(=O)<sub>2</sub>, an aromatic group, a heterocyclic group, an aliphatic cyclic group, a Si(R<sub>1</sub>)(R<sub>2</sub>) group, a BR<sub>3</sub> group, a NR<sub>4</sub> group, a CHR<sub>5</sub> group, or a CR<sub>6</sub>R<sub>7</sub> group where R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, and R<sub>7</sub> are, each independently, H, halogen, hydroxyl, thiol, an alkoxy group, an alkyl group, an alkenyl group, an aromatic group, a heterocyclic group, or a part of a cyclic ring; and

(ii) a charge generating compound.

(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

(c) contacting the surface with a toner to create a toned image; and

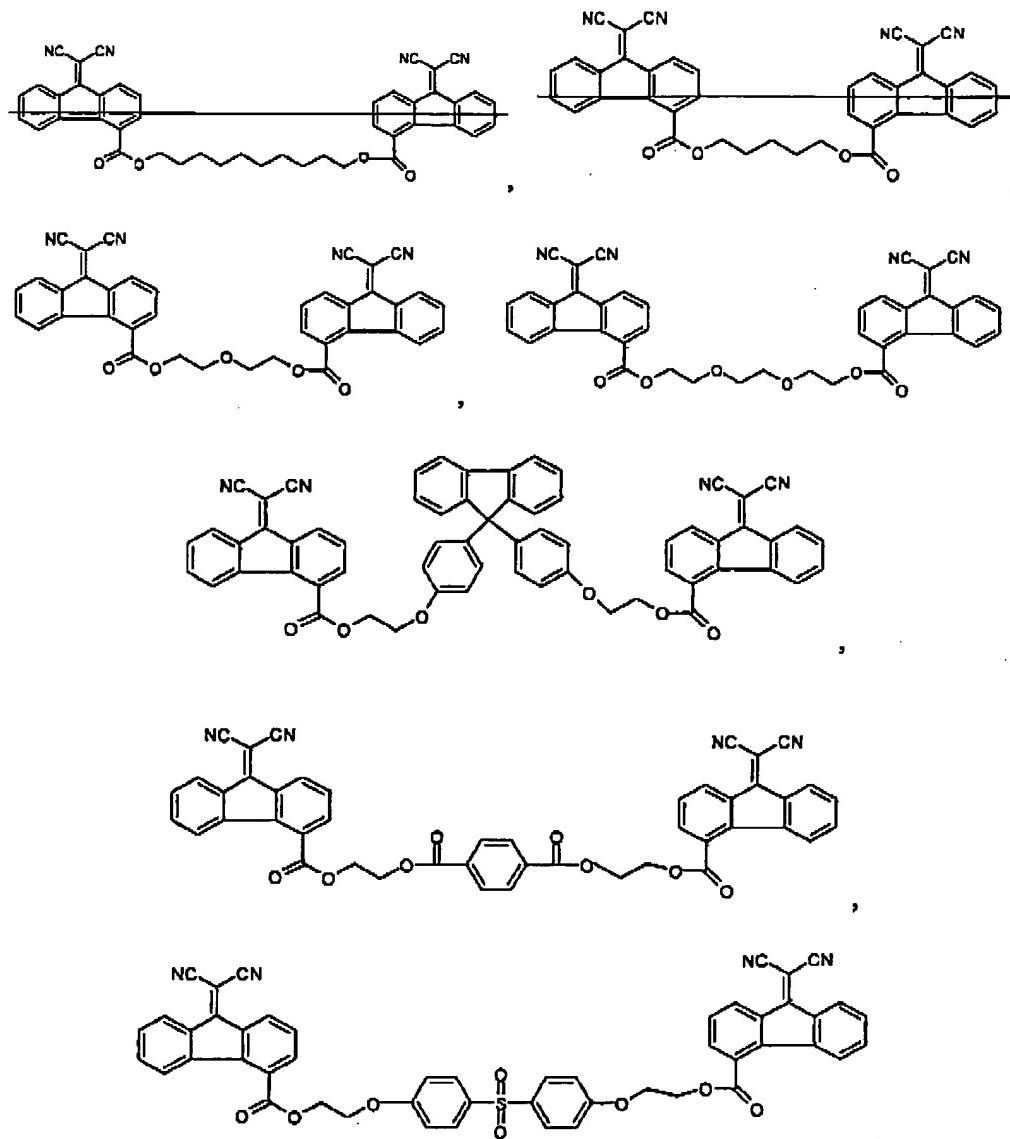
(d) transferring the toned image to substrate.

16. (Canceled)

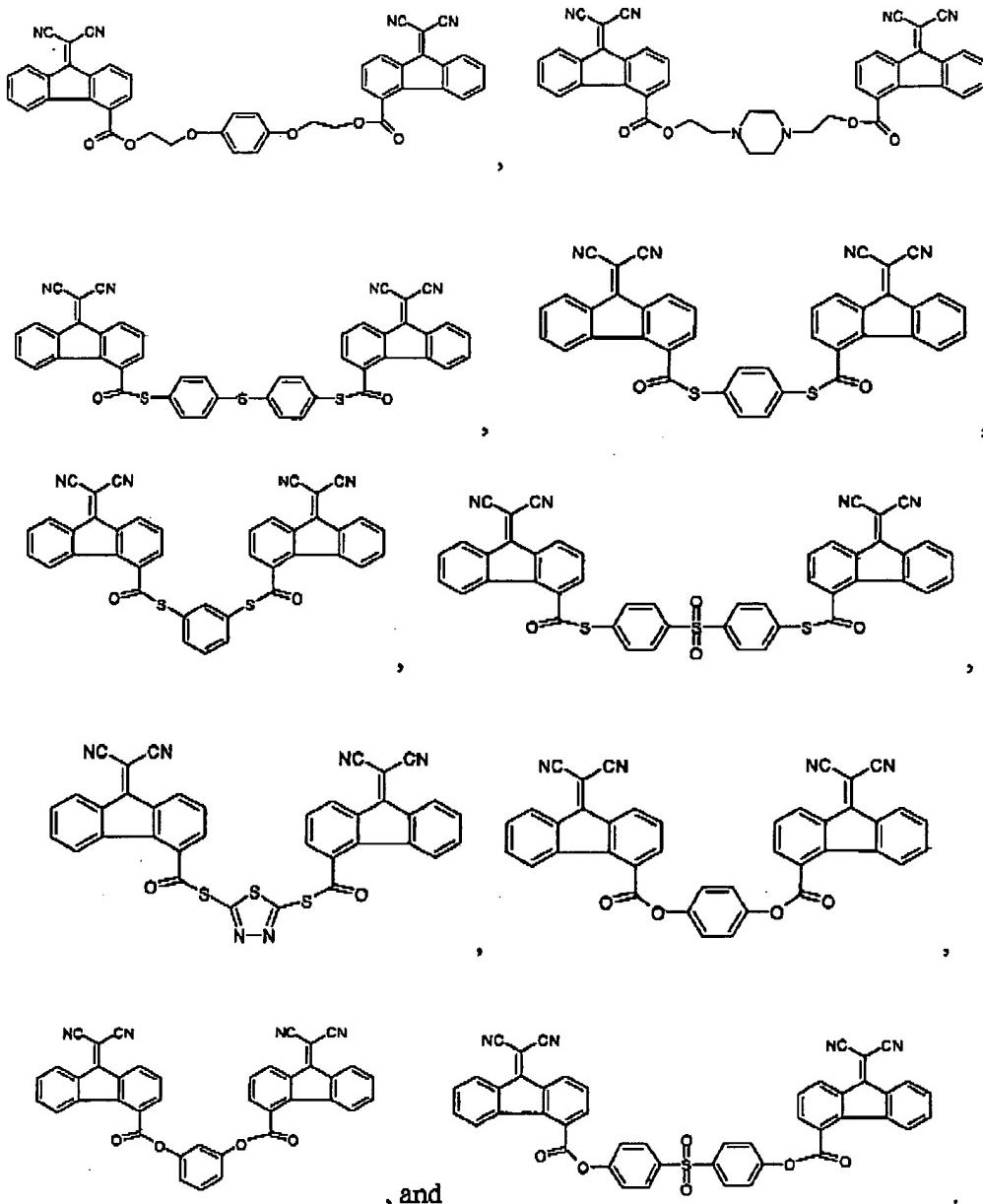
17. (Original) An electrophotographic imaging process according to claim 15 wherein Z comprises an aromatic group or a heterocyclic group.

Application No. 10/748,424

18. (Currently Amended) An electrophotographic imaging process according to claim 15 wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/748,424



19. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a second charge transport material.

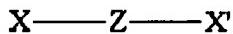
Application No. 10/748,424

20. (Original) An electrophotographic imaging process according to claim 19 wherein the second charge transport material comprises a charge transport compound.

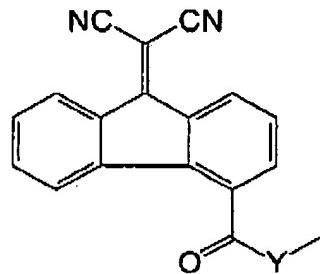
21. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a binder.

22. (Original) An electrophotographic imaging process according to claim 15 wherein the toner comprises a liquid toner comprising a dispersion of colorant particles in an organic liquid.

23. (Currently Amended) A charge transport material having the formula



where  $X$  and  $X'$  each independently, have the formula



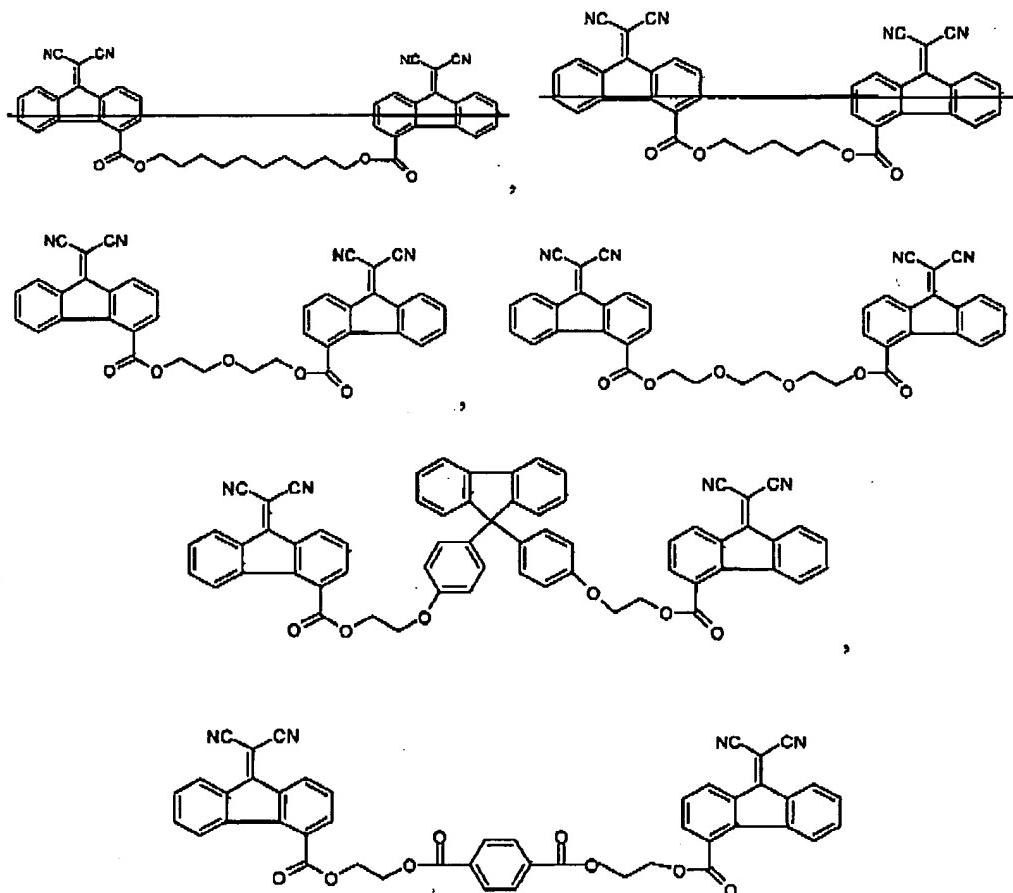
where  $Y$  is  $O-CH_2-CH_2-O$ ,  $S$ , or  $NR_8$  and  $R_8$  is  $H$ , an alkyl group, an alkenyl group, an aromatic group, or a heterocyclic group are, each independently, a (9-fluorenylidene)malononitrile group, and  $Z$  is a linking group having the formula  $-(CH_2)_m-$ , branched or linear, where  $m$  is an integer between 1 and 30, inclusive, and one or more of the methylene groups may be replaced by  $O$ ,  $S$ ,  $C=O$ ,  $Si=O$ ,  $S(=O)_2$ ,  $P(=O)_2$ , an aromatic group, a heterocyclic group, an aliphatic cyclic group, a  $Si(R_1)(R_2)$  group, a  $BR_3$  group, a  $NR_4$  group, a  $CHR_5$  group, or a  $CR_6R_7$  group where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ , and  $R_7$  are, each independently,  $H$ , halogen, hydroxyl, thiol, an alkoxy group, an alkyl group, an alkenyl group, an aromatic group, a heterocyclic group, or a part of a cyclic ring.

Application No. 10/748,424

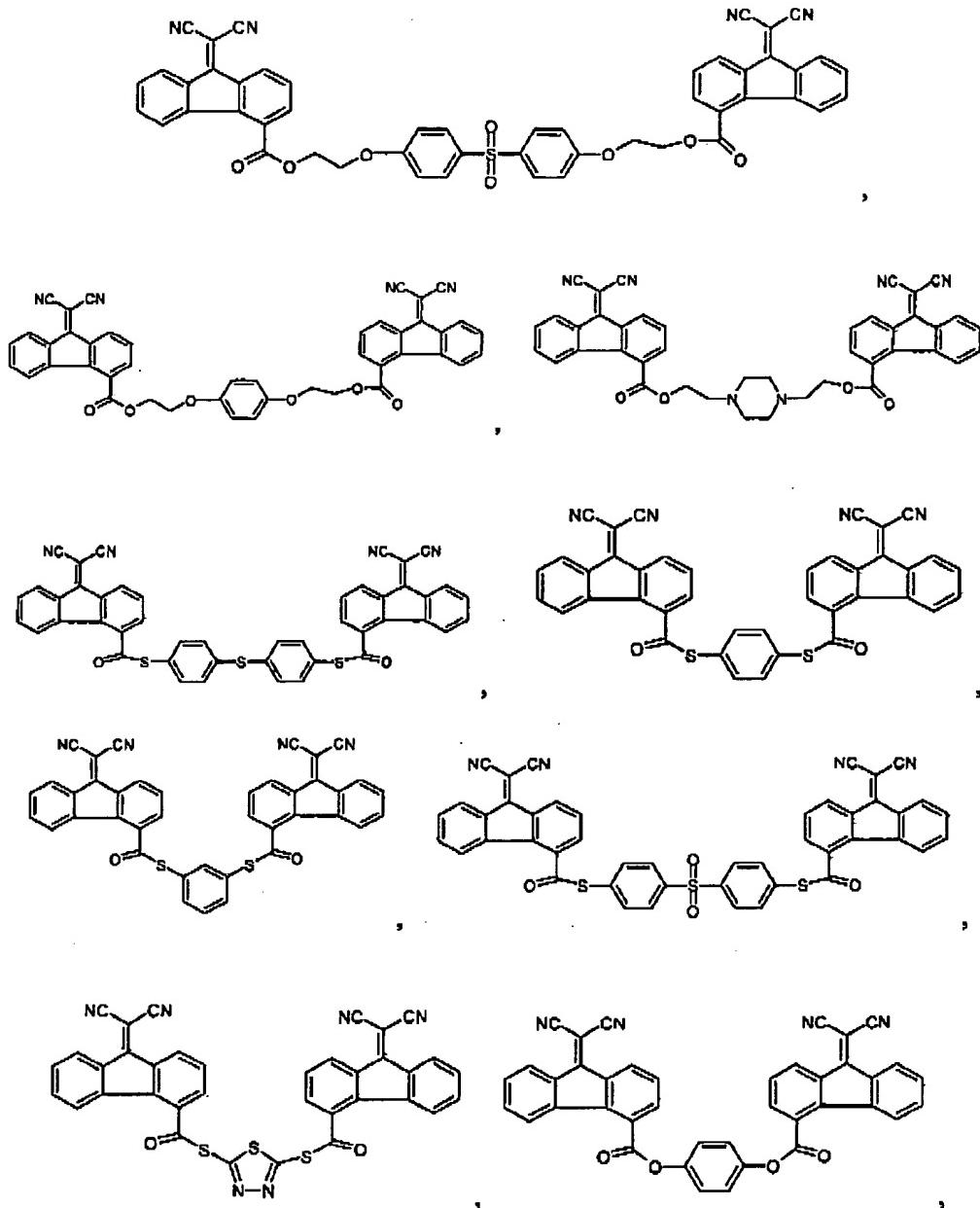
24. (Canceled)

25. (Original) A charge transport material according to claim 23 wherein Z comprises an aromatic group or a heterocyclic group.

26. (Currently Amended) A charge transport material according to claim 23 wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/748,424



Application No. 10/748,424

